

In the Claims:

Kindly rewrite the claims to read as follows:

1. (Currently Amended) Device for managing an electrical power failure in, in particular, a yarn transformation textile machine comprising:

- a first system means for advancing ~~the~~ yarns comprising a set of yarn advancing elements subjected to ~~the~~ action of motor devices controlled by frequency converters or changers (12a), (12b) supplied by a common direct current bus (17);
- a monitoring/control system (19) supplied by the same direct current bus;
- a second system means for processing the yarns ~~provided in the form of comprising~~ power spindles (1a), (1b), (1c) ~~in particular being subjected to the~~ action of individual motor devices controlled by frequency converters or changers (11a), (11b), (11c);

~~characterized in that~~ wherein:

- ~~the~~ power spindles (1a), (1b), (1c) are not supplied by the common bus but are self-powered and autonomous; and
- ~~the~~ power supply to the common bus (17) of the set of yarn advancing elements is maintained by a flywheel (13) so that the ~~two~~ first and second systems are totally electrically independent, only ~~the~~ a value of ~~the~~ ramp functions of both systems avoids any voltage fault.

2. (Currently Amended) ~~The Device~~ device as claimed in claim 1, ~~characterized in that~~ wherein:

- the flywheel (13) is subjected to ~~the~~ action of a flywheel motor device (14) controlled by a frequency converter or changer (15) connected to the common direct current bus (17);
- the frequency converters or changers (11a), (11b), (11c) of the power spindles include means of autonomous stopping in the event of a general

power supply failure and are capable of triggering deceleration in accordance with a pre-programmed built-in ramp function;

- means of monitoring (9) the general power supply voltage capable of forcing all said frequency converters (11a), (11b), (11c) of the power spindles (12a), (12b), (12c) and the yarn advancing elements ~~devices for advancing the yarn~~ to switch to stop mode in the event of a circuit failure so that:
 - * each frequency converter (11a), (11c), (11e) of each power spindle brakes the power spindle in accordance with the pre-programmed deceleration ramp function and is self-powered by the kinetic energy of said power spindle;
 - * the frequency converter (15) that controls the flywheel motor device (14) of flywheel (13) forces deceleration that switches said flywheel motor device to generator mode in order to supply the a voltage level on the common direct current bus (17); and
 - * the monitoring/control system (19) applies a predetermined deceleration ramp function established relative to the pre-programmed deceleration ramp function to said frequency converters in order to maintain correct speed ratios.

3. (Currently Amended) ~~The Device~~ device as claimed in either claim 1 or 2, characterized in that ~~wherein~~ the pre-programmed ramp ~~functions~~ function in the individual frequency converters (11a), (11b), (11c) of the spindles and the predetermined ramp function programmed in the ~~monitoring system~~ are determined so that, when the a stop cycle is triggered simultaneously, speeds remain substantially proportional throughout the duration of the stoppage.

4. (Currently Amended) ~~The Device~~ device as claimed in either claim 1 or 23, characterized in that ~~wherein~~ the mass and speed of the flywheel (13) and its speed are determined so that said flywheel contains sufficient energy to maintain the power supply to the means for yarn advancing elements the yarns throughout the duration of the stoppage.

5. ~~The Device~~ device as claimed in claim 2, ~~characterized in that wherein~~ the predetermined deceleration ramp ~~functions~~ function is ~~are~~ programmed in the frequency converters that control the ~~devices for yarn~~ advancing elements the yarn.